

FIG. 1 Activities of Deleted Beta-actin Promoter

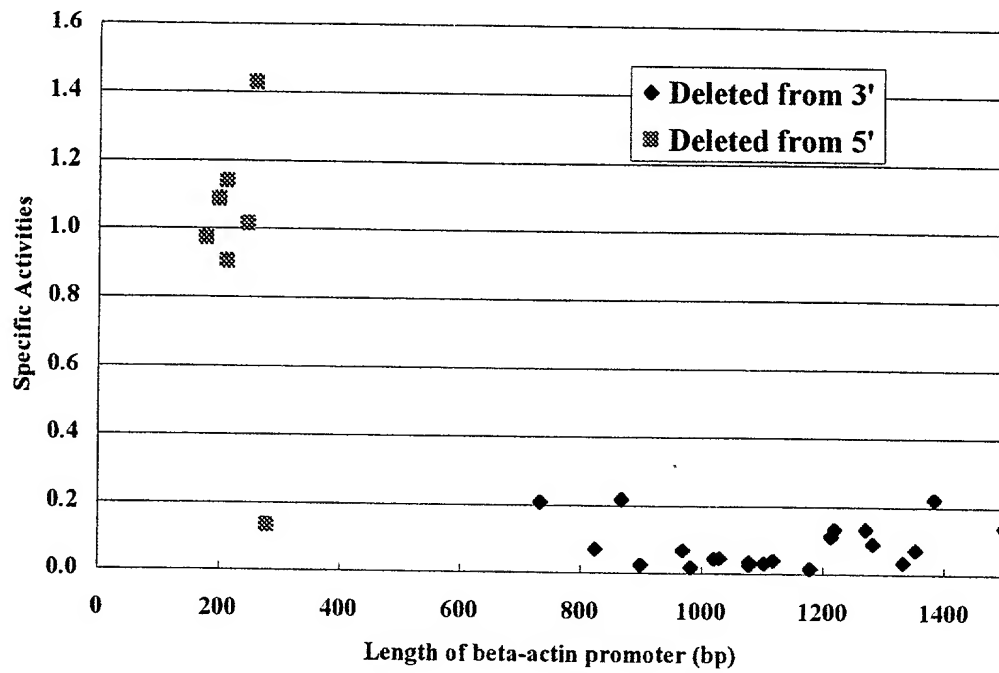


FIG 2: Construction of intermediate plasmid, pGI_{Pec}F, during the construction of homology plasmid, p45/46_{Pec}F.

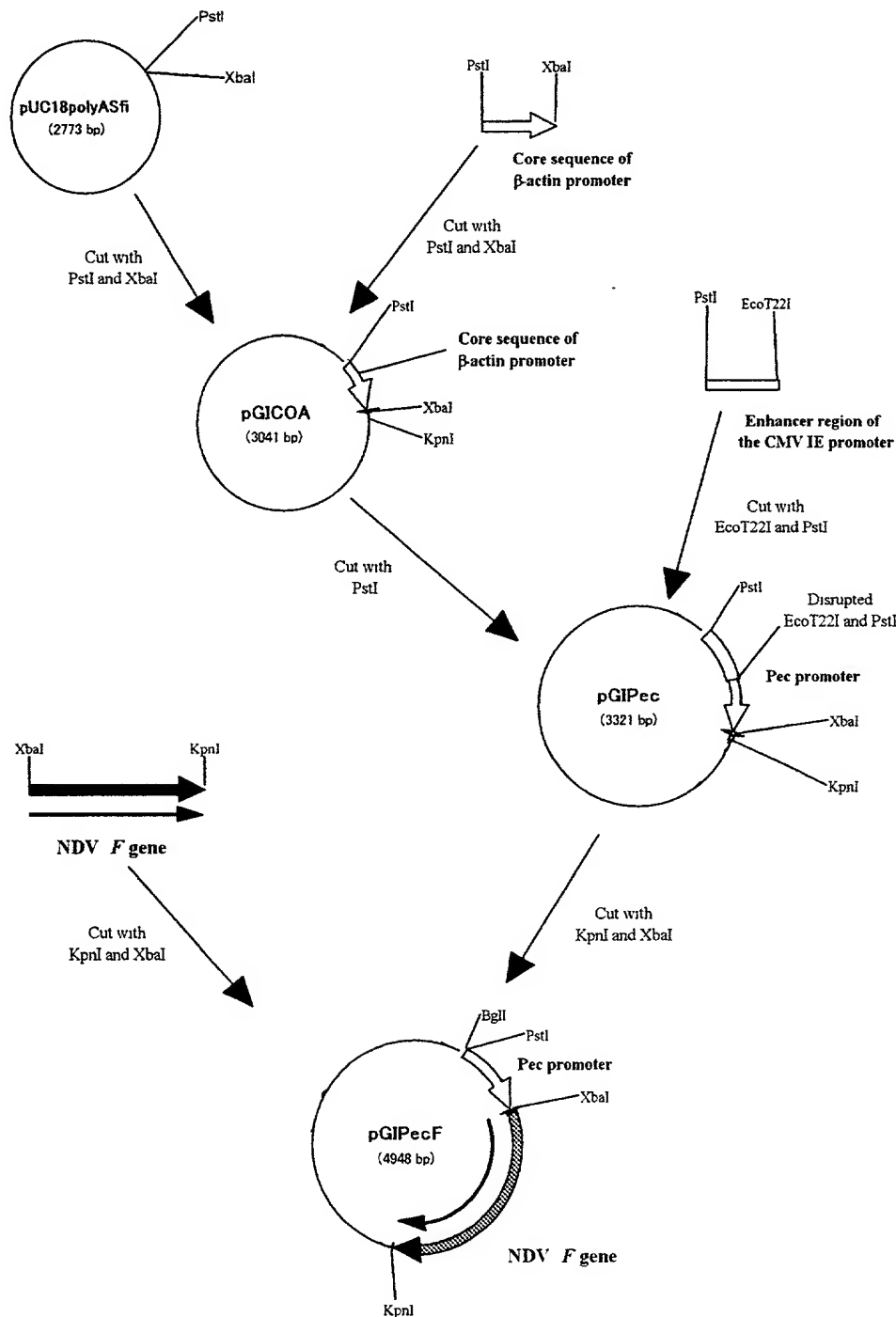


FIG. 3: Construction of homology plasmid, p45/46PecF.

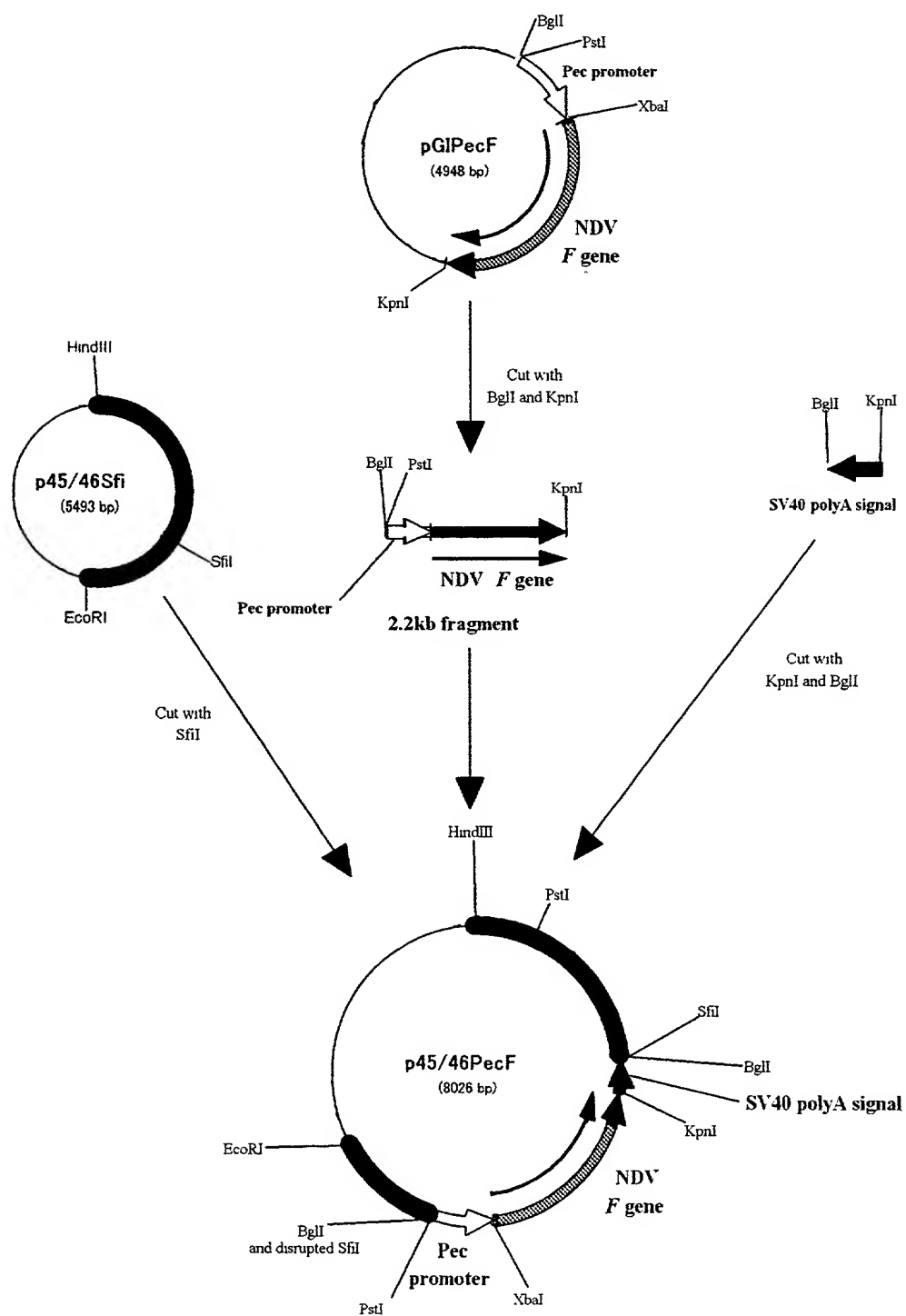
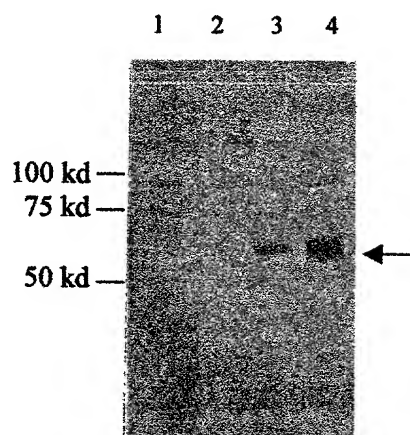


FIGURE 4. Western blot assay of rHVT/NDV, rHVT/NDV passage 5, and the HVT parent strain using NDV F rabbit antiserum. Lane 1 = CEF negative control; Lane 2 = HVT parent strain; Lane 3 = rHVT/NDV; Lane 4 = rHVT/NDV passage 5. An arrow indicates the F protein with a molecular weight of 60kDa.



FIGS. 5 and 6 show the ELISA titers of survived or non-survived SPF and commercial birds, respectively. As indicated, all chickens having 0.15 or more of the antibody titer (S/P value) survived the virulent NDV challenge.

